



# The Green On-Road Linen Delivery Project

The San Joaquin Valley Air Pollution Control District (SJVAPCD) project is tasked with successfully deploying 21 zero-emission all-electric walk-in vans to be used in linen deliveries, a specific delivery segment with ideal routes for electrification. Industry partners & demonstrators include Motiv Power Systems, AmeriPride Services, CALSTART, and First Priority Bus Sales. AmeriPride Services is a one-stop solution for uniforms, linens, and facility service since 1889. AmeriPride selected its' Stockton, Merced, Fresno and Bakersfield locations to demonstrate the technology in disadvantaged communities where they currently operate and to evaluate for use in their other locations throughout North America. The zero-emission vehicles in this project use the Motiv chassis, a complete body-ready, all-electric equivalent to internal combustion vehicles.



The SJVAPCD is a public health agency whose mission is to improve the health and quality of life for all Valley residents. SJVAPCD has drawn on its extensive experience gained in implementing these and numerous other incentive programs, to effectively oversee the administration of this project under the Zero-Emission Truck and Bus Pilot Commercial Deployment solicitation. SJVAPCD has become a model for efficient and effective implementation of grant programs throughout the State.

**Dates:** Spring 2017 – Spring 2020  
**Grantee:** San Joaquin Valley Air Pollution Control District  
**Partners:** Motiv Power Systems, AmeriPride Services, CALSTART, and First Priority Bus Sales

**Grant Amount:**  
CARB Contribution: \$7,125,515  
Matching Funds: \$5,818,168  
Project Total: \$12,943,683



## Vehicles/Equipment Funded

This project focused on taking an electrified commercial walk-in van application, previously only deployed in small commercial projects, and scaled it to AmeriPride's local fleet operations. This provides an opportunity to validate the core technology at a fleet and operational portfolio level, generating the data required to support future full all-electric fleet deployments. All project trucks are built on a Motiv-powered, all-electric Ford F-59 chassis.

Project vehicles are distributed as follows:

- 4 Motiv zero-emission walk-in-vans deployed at AmeriPride Stockton, CA
- 5 Motiv zero-emission walk-in-vans deployed at AmeriPride Merced, CA
- 10 Motiv zero-emission walk-in-vans deployed at AmeriPride Fresno, CA
- 2 Motiv zero-emission walk-in-vans deployed at AmeriPride Bakersfield, CA

## Lessons Learned

- Maximum fleet performance is achieved through successful driver training.
- Successful EVSE infrastructure implementation is a fully corroborative activity between site managers, utilities, and technology providers.

## Status Updates

- Stockton fleet in-service Spring 2018; CARB accepted Beta Test Report August 2018.
- Merced fleet in-service Summer 2018.
- Fresno fleet delivered Summer 2018; due to EVSE delays, vehicles not in-service. Two vehicles to be in-service Winter 2019 with the installation of two chargers in the service garage .
- Bakersfield fleet delivered and training completed; expected to be in service Winter 2019.

